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a (b) growing nitride semiconductor portions from the upper surface portions of the underlayer which are exposed from the windows, by using a gaseous Group 3 element source and a gaseous nitrogen source, until the nitride semiconductor portions grown in the adjacent windows combine with each other on an upper surface of said selective growth mask.

Please add the following new claims:

208. A nitride semiconductor growth method comprising the steps of:

(a) forming a first selective growth mask on a support member made up of a dissimilar substrate made of a material different from a nitride semiconductor and having a major surface, and an underlayer made of a nitride semiconductor formed on the major surface of the dissimilar substrate, said first selective growth mask having a plurality of first windows selectively exposing an upper surface of the underlayer of the support member;

D2 (b) growing first nitride semiconductor portions from the upper surface portions of the underlayer which are exposed from the windows, until the first nitride semiconductor portions grown in the adjacent windows combine with each other on an upper surface of said selective growth mask;

(c) forming a second selective growth mask on the first nitride semiconductor portions grown in the step (b), said second selective growth mask having a plurality of second windows selectively exposing upper surfaces of the first nitride semiconductor portions;

(d) growing second nitride semiconductor portions from the upper surfaces of the first nitride semiconductor portions which are exposed from the second windows, until the second nitride semiconductor portions grown in adjacent windows combine with each other on an upper surface of said second selective growth mask to form a nitride semiconductor substrate; and

(e) growing nitride semiconductor layers including an active layer over the semiconductor substrate.

209. (New) A nitride semiconductor growth method according to claim 208, wherein the second selective growth mask is positioned to cover the first windows of the first selective growth mask.

210. (New) A nitride semiconductor growth method according to claim 208, wherein the first nitride semiconductor portions and second nitride semiconductor portions are nitride semiconductor crystals grown laterally on the corresponding selective growth mask.

211. (New) A nitride semiconductor growth method according to claim 208, wherein the dissimilar substrate is one selected from the group consisting of a sapphire having the C plane, the R plane, or the A plane as a major surface, spinel, SiC, ZnS, GaAs, Si, ZnO, and $\text{La}_x\text{Sr}_{1-x}\text{Al}_y\text{Ta}_{1-y}\text{O}_3$.

172 wt
212. (New) A nitride semiconductor growth method according to claim 208, wherein the nitride semiconductor is a light-emitting diode or laser diode device.

213. (New) A nitride semiconductor growth method according to claim 208, wherein said step of growing nitride semiconductor layers including said active layer over the nitride semiconductor substrate includes forming said active layer to include indium.


214. (New) A nitride semiconductor growth method according to claim 208, wherein said step of growing nitride semiconductor layers including said active layer over the nitride semiconductor substrate further comprises steps of:

forming a buffer layer in contact with the nitride semiconductor substrate, the buffer layer being a distorted superlattice structure formed by alternately stacking first and second nitride semiconductor layers having different compositions.

~~215.~~ (New) A nitride semiconductor growth method according to claim 208, further comprising a step of doping said nitride semiconductor substrate with an n-type impurity.

~~216.~~ (New) A nitride semiconductor growth method according to claim 215, wherein the n-type impurity is one element selected from the group consisting of Si, Ge, Sn, and S.

~~217.~~ (New) A nitride semiconductor substrate growth method comprising the steps of:
(a) forming a first selective growth mask on a support member made up of a dissimilar substrate made of a material different from a nitride semiconductor and having a major surface, and an underlayer made of a nitride semiconductor formed on the major surface of the dissimilar substrate, said first selective growth mask having a plurality of first windows selectively exposing an upper surface of the underlayer of the support member;

 (b) growing first nitride semiconductor portions from the upper surface portions of the underlayer, which are exposed from the windows, until the first nitride semiconductor portions grown in the adjacent windows combine with each other, on an upper surface of said selective growth mask;

(c) forming a second selective growth mask on the first nitride semiconductor portion grown in the step (b), said second selective growth mask having a plurality of second windows selectively exposing upper surfaces of the first nitride semiconductor portions; and

(d) growing second nitride semiconductor portions from the upper surfaces of the first nitride semiconductor portions, which are exposed from the second windows, until the second nitride semiconductor portions grown in the adjacent windows combine with each other on an upper surface of said second selective growth mask.

218. (New) A nitride semiconductor substrate growth method according to claim 217, wherein the second selective growth mask is positioned to cover the first windows of the first selective growth mask.

219. (New) A nitride semiconductor substrate growth method according to claim 217, wherein the first nitride semiconductor portions and second nitride semiconductor portions are nitride semiconductor crystals grown laterally on the corresponding selective growth mask.

220. (New) A nitride semiconductor substrate growth method according to claim 217, wherein the dissimilar substrate is one selected from the group consisting of a sapphire having the C plane, the R plane, or the A plane as a major surface, spinel, SiC, ZnS, GaAs, Si, ZnO, and $\text{La}_x\text{Sr}_{1-x}\text{Al}_y\text{Ta}_{1-y}\text{O}_3$.

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221. (New) A nitride semiconductor substrate comprising:

a support member having:

a dissimilar substrate made of a material different from a nitride semiconductor and having a major surface, and

an underlayer made of a nitride semiconductor formed on the major surface of the dissimilar substrate;

a first selective growth mask formed on the support member, the first selective growth mask having a plurality of first windows selectively exposing an upper surface of the underlayer of the support member;

first nitride semiconductor portions grown from the upper surface portions of the underlayer, which are exposed from the windows on an upper surface of said selective growth mask;

a second selective growth mask formed on the first nitride semiconductor portion, the second selective growth mask having a plurality of second windows selectively exposing upper surfaces of the first nitride semiconductor portions; and

second nitride semiconductor portions grown from the upper surfaces of the first nitride semiconductor portions, which are exposed from the second windows on an upper surface of said second selective growth mask.

222. A nitride semiconductor substrate according to claim 221, wherein the second selective growth mask is positioned to cover the first windows of the first selective growth mask.

223. A nitride semiconductor substrate according to claim 221, wherein the first nitride semiconductor portions and the second nitride semiconductor portions are nitride semiconductor crystals grown laterally.

224. A nitride semiconductor substrate according to claim 221, wherein the dissimilar substrate is one selected from the group consisting of a sapphire having the C plane, the R plane, or the A plane as a major surface, spinel, SiC, ZnS, GaAs, Si, ZnO, and $\text{La}_x\text{Sr}_{1-x}\text{Al}_y\text{Ta}_{1-y}\text{O}_3$.

225. A nitride semiconductor structure having a substrate, the substrate comprising:
a support member having:

a dissimilar substrate made of a material different from a nitride semiconductor and having a major surface, and

an underlayer made of a nitride semiconductor formed on the major surface of the dissimilar substrate;

a first selective growth mask formed on the support member, the first selective growth mask having a plurality of first windows selectively exposing an upper surface of the underlayer of the support member;

first nitride semiconductor portions grown from the upper surface portions of the underlayer, which are exposed from the windows on an upper surface of said selective growth mask;

a second selective growth mask formed on the first nitride semiconductor portion, the second selective growth mask having a plurality of second windows selectively exposing upper surfaces of the first nitride semiconductor portions; and

second nitride semiconductor portions grown from the upper surfaces of the first nitride semiconductor portions, which are exposed from the second windows on an upper surface of said second selective growth mask.

226. A nitride semiconductor structure according to claim 225, wherein the second selective growth mask is positioned to cover the first windows of the first selective growth mask.

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227. A nitride semiconductor structure according to claim 225, wherein the first nitride semiconductor portions and second nitride semiconductor portions are nitride semiconductor crystals grown laterally.

228. A nitride semiconductor structure according to claim 225, wherein

the dissimilar substrate is one selected from the group consisting of a sapphire having the C plane, the R plane, or the A plane as a major surface, spinel, SiC, ZnS, GaAs, Si, ZnO, and $\text{La}_x\text{Sr}_{1-x}\text{Al}_y\text{Ta}_{1-y}\text{O}_3$.

229. A nitride semiconductor structure according to claim 225, wherein said nitride semiconductor structure is a light-emitting diode or laser diode device.

230. A nitride semiconductor structure according to claim 225, further comprising an active layer containing indium.

231. A nitride semiconductor structure according to claim 225, wherein said second nitride semiconductor portions form a nitride semiconductor substrate, said nitride semiconductor structure further comprising a buffer layer in contact with the nitride semiconductor substrate, wherein the buffer layer is a distorted superlattice structure of alternately stacked first and second nitride semiconductor layers having different compositions.

232. A nitride semiconductor according to claim 225, wherein said second nitride semiconductor portions form a nitride semiconductor substrate, and wherein the nitride semiconductor substrate is doped with an n-type impurity.

233. A nitride semiconductor substrate according to claim 232, wherein the n-type impurity is one element selected from the group consisting of Si, Ge, Sn, and S.